JC710 U.S. PTO
10/05/99

JC534 U.S. PTO
09/412727
10/05/99

# PATENT APPLICATION TRANSMITTAL LETTER

**DOCKET NUMBER**

DEN226

To the Commissioner of Patents and Trademarks:

Transmitted herewith for filing under 35 U.S.C. 111 and 37 CFR 1.53 is the patent application of:

Eric Aubry

entitled  KIT FOR UPDATING A DIGITAL DATA PROCESSING SYSTEM

Enclosed are:

| | | |
|---|---|---|
| X | 6 | pages of written description, claims and abstract. |
| | | sheets of drawings. |
| X | | an assignment of the invention to  VITEC S.A. |
| X | | executed declaration of the inventors. |
| | | a certified copy of a _____ application. |
| | | associate power of attorney. |
| X | | a verified statement to establish small entity status under 37 CFR 1.9 and 1.27 |
| | | information disclosure statement |
| | | preliminary amendment |
| | | other: _____. |

|  | NUMBER FILED | CLAIMS AS FILED NUMBER EXTRA | RATE | FEE |
|---|---|---|---|---|
| BASIC FEE | | | $ | $ 380.00 |
| TOTAL CLAIMS | 3 | -20= 0 | X | -0- |
| INDEPENDENT CLAIMS | 1 | - 3= 0 | X | -0- |

MULTIPLE DEPENDENT
CLAIM PRESENT

ASSIGNMENT RECORDAL FEE           40.00

*NUMBER EXTRA MUST BE ZERO OR LARGER

TOTAL           $

SMALL ENTITY TOTAL  $ 420.00

X   A check in the amount of $  420.00  to cover the filing fee is enclosed.

X   The Commissioner is hereby authorized to charge and credit
Deposit Account No. 02-0413 as described below.   I have
enclosed a duplicate copy of this sheet.
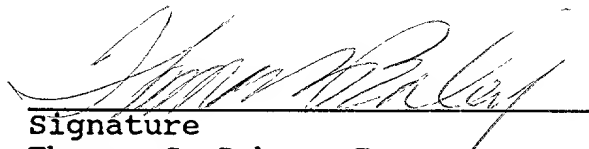_____ Charge the amount of $ _____ as filing fee.
  X   Credit any overpayment.
  X   Charge any additional filing fees required under
      37 CFR 1.16 and 1.17.
_____ Charge the issue fee set in 37 CFR 1.18 at the
      mailing of the Notice of Allowance, pursuant to
      37 CFR 1.311(b).

 05 October 1999
 Date                                   Signature
                                        Thomas S. Baker, Jr.
                                        Registration No. 25,662
                                        1371 West 3rd Avenue
                                        Columbus, Ohio  43212
                                        Telephone:  614/488-2202
                                        Facsimile:  614/488-2232

Applicant or Patentee: __Eric Aubry_____ Attorney

Appl. or Patent No.: _____ Docket No: __DEN226_____

Filed or Issued: _____Herewith_____

For: __KIT FOR UPDATING A DIGITAL DATA PROCESSING SYSTEM_____

### Verified Statement (Declaration) Claiming Small Entity Status
### (37 C.F.R. §§ 1.9(d) and 1.27(c)) — Small Business Concern

I hereby declare that I am

    [ ]    the owner of the small business concern identified below:

    [ X ]    an official of the small business concern empowered to act on behalf of the concern identified below:

NAME OF SMALL BUSINESS CONCERN __VITEC S.A._____

ADDRESS OF SMALL BUSINESS CONCERN __2, rue Astrid_____
                    __L - 1143 LUXEMBOURG_____

I hereby declare that the above identified small business concern qualifies as a small business concern as defined in 13 C.F.R. § 121.3-18, and reproduced in 37 C.F.R. § 1.9 (d), for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention, entitled__KIT FOR UPDATING A DIGITAL DATA PROCESSING SYSTEM_____
_____ by inventor(s)__Eric Aubry_____
_____ described in

    [ X ]    the specification filed herewith

    [ ]    application no. _____, filed _____

    [ ]    patent no. _____, issued _____

If the rights held by the above identified small business concern are not exclusive, each individual, concern or organization having rights to the invention is listed below* and no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 C.F.R. § 1.9(c) if that person made the invention or by any concern which would not qualify as a small business concern under 37 C.F.R. § 1.9(d) or a nonprofit organization under 37 C.F.R. § 1.9(e).

    *NOTE:  Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 C.F.R. § 1.27)

NAME _____

ADDRESS _____

    ( ) INDIVIDUAL         ( ) SMALL BUSINESS CONCERN      ( ) NONPROFIT ORGANIZATION

NAME _____

ADDRESS _____

    ( ) INDIVIDUAL         ( ) SMALL BUSINESS CONCERN      ( ) NONPROFIT ORGANIZATION

NAME _____

ADDRESS _____

    ( ) INDIVIDUAL         ( ) SMALL BUSINESS CONCERN      ( ) NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 C.F.R. § 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING _____

TITLE IN ORGANIZATION _____ __Jacques Merckling, Administrator__

ADDRESS OF PERSON SIGNING __160, av. du 69 R.I._____
                  __F - 542770 ESSEY LES NANCY/FRANCE_____

SIGNATURE _____ DATE __23 September 1999__

Attorney Docket No. DEN226

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

## APPLICATION FOR UNITED STATES LETTERS PATENT

## TITLE OF THE INVENTION:

Kit for Updating a Digital Data Processing System.

## CROSS-REFERENCES:

None.

## BACKGROUND OF THE INVENTION:

This invention relates to a kit for updating a digital data processing system such that a computer or PC can make direct use of the keyboard to integrate a non-existent supplementary symbol such as, for example, the euro currency symbol.

The use of the euro went into effect at the beginning of 1999. At present, however, the currency unit, which is represented by a symbol (just as the dollar or pound), does not exist on computer systems. Whether used for typing, accounting, trade, or correspondence, the only method of transcribing this symbol is to write it manually or incorporate a complex representation.

The invention provides a means for a very simple modification, which, once made, will modify or extend the computer system to make the aforementioned

supplementary function resident, and notably simplify the ability to update all existing machines at a given moment as, for example, the implementation of the euro.

According to the invention, this objective will be realized by means of a software medium on which is recorded the updating software that will enable use of the supplementary symbol through a key, and an interchangeable key that will additionally bear the representation of the supplementary symbol.

## DRAWINGS:

None.

## DESCRIPTION:

Through the addition of a software module to the digital data processing system software or as an add-on to the operating system, along with the replacement of a physical key on the keyboard, all devices will then be provided with a function enabling them, through a simple keystroke, to print the supplementary symbol such as, for example, the euro. The modification occurs only once and becomes resident within the machine.

Keyboards for digital systems are provided with keys that have multiple functions. Pressing a key prints a number or symbol; a combination of keys (for example, Caps + key or Alt + key, etc.) can be variously interpreted.

Computer keyboards have one to four functions per key. When we wish to reproduce a supplementary symbol as, for example, the euro, we dedicate an unassigned key (for example, key "1" or key "^") to the supplementary symbol. The euro character

is then situated on the assigned key. The operator can be presented with several possible choices when the computer system is updated.

The update procedure takes place as follows:

From the patent of choices offered, the operator selects the position assigned to the euro symbol, or any other supplementary symbol to be reproduced by the system. The operator inserts the software medium, which can be a floppy diskette, CD-ROM, file transfer, or other, and launches the software updating routine. The operator mechanically removes the assigned key and replaces it with the new one of the same format, which incorporates, in addition to the symbols for the assigned key, an engraving or other representation of the euro symbol. The operator then reboots the computer system and the new key function is available and resident.

The invention can be sold in the form of a kit consisting of the software medium for updating the software of a computer system and a plastic, or other, molded key that has been engraved with the supplementary symbol for updating the system's hardware level. This kit can be distributed as a separate subassembly.

The software stored on the software medium operates as follows:

It comprises a universal keyboard driver or one that can be configured for the brand of hardware to be updated. The driver interprets the new function. It is suggested that the new symbol be used the way ASCII codes are used, without however being limited to such use. An available character label (for example, CHR (32) or extension that can be added to the current table) will be used. In this way, not only the keyboard but also software applications will be able to make direct use of the euro character in the form of a symbol.

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This invention can be used for, without being restricted to, applications for updating existing hardware, whether or not they are in use, as well as new machines that have yet to be produced. The invention can be made available for all operating systems and all brands of hardware, as well as all types of keyboards used for digital systems.

I claim, as my invention:

## CLAIMS:

1. Kit for updating a digital data processing system, such as a computer or PC, so that it can make direct use of the keyboard in integrating a non-existent supplementary symbol such as, for example, the euro currency symbol, characterized by a software medium on which is recorded the update software for the use of a supplementary symbol on a key of the keyboard, and an interchangeable key that additionally bears the representation of the supplementary symbol.

2. Kit according to claim 1, characterized in that said update software comprises a universal driver.

3. Kit according to claim 1, characterized in that said update software comprises a driver that can be configured for the digital data processing system being updated.

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# ABSTRACT

The invention involves a kit to update a digital data processing system, such as a computer or PC, so that it can make direct use of the keyboard in integrating a non-existent supplementary symbol such as, for example, the euro currency symbol. It comprises a software medium on which is recorded the update software for using a supplementary symbol on a key of the keyboard, and an interchangeable key that additionally bears the representation of the supplementary symbol.

## DECLARATION FOR PATENT APPLICATION

Docket Number ___DEN226___

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled _KIT FOR UPDATING A DIGITAL DATA PROCESSING SYSTEM_

the specification of which

is attached hereto unless the following box is checked:
_____ was filed on _____ as United States Application Number or PCT International Application Number_____
and was amended on _____
(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.
I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.
I hereby claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Claimed

| 90335 | LU | 30 december 1998 | X Yes ___ No |
|-------|----|----|----|
| (Number) | (Country) | (Day, Month/ Year Filed) | |
| _____ | _____ | _____ | ___ Yes ___ No |
| (Number) | (Country) | (Day, Month/ Year Filed) | |
| _____ | _____ | _____ | ___ Yes ___ No |
| (Number) | (Country) | (Day, Month/ Year Filed) | |

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United

States Code, Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

| (Application Number) | (Filing Date) | (Status - patented pending, abandoned) |
|---|---|---|

| (Application Number) | (filing Date) | (Status - patented pending, abandoned) |
|---|---|---|

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Thomas S. Baker, Jr.
Address all telephone calls to <u>Thomas S. Baker, Jr.</u> at telephone number <u>614/488-2202</u>
Address all correspondence to <u>Thomas S. Baker, Jr.</u>
<u>1371 W. 3rd Avenue</u>
<u>Columbus, OH 43212</u>

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor (given name, family name)
<u>Eric Aubry</u>
Inventor's signature
Date <u>September 23, 1999</u>
Residence <u>14, rue Joseph Tockert, L - 2620 LUXEMBOURG</u>
Citizenship <u>Luxembourg</u>
Post Office Address <u>Same</u>

Full name of second joint inventor, if any (given name, family name)

Second Inventor's signature
Date
Residence
Citizenship
Post Office Address

_____ Additional inventors are being named on separately numbered sheets attached hereto.